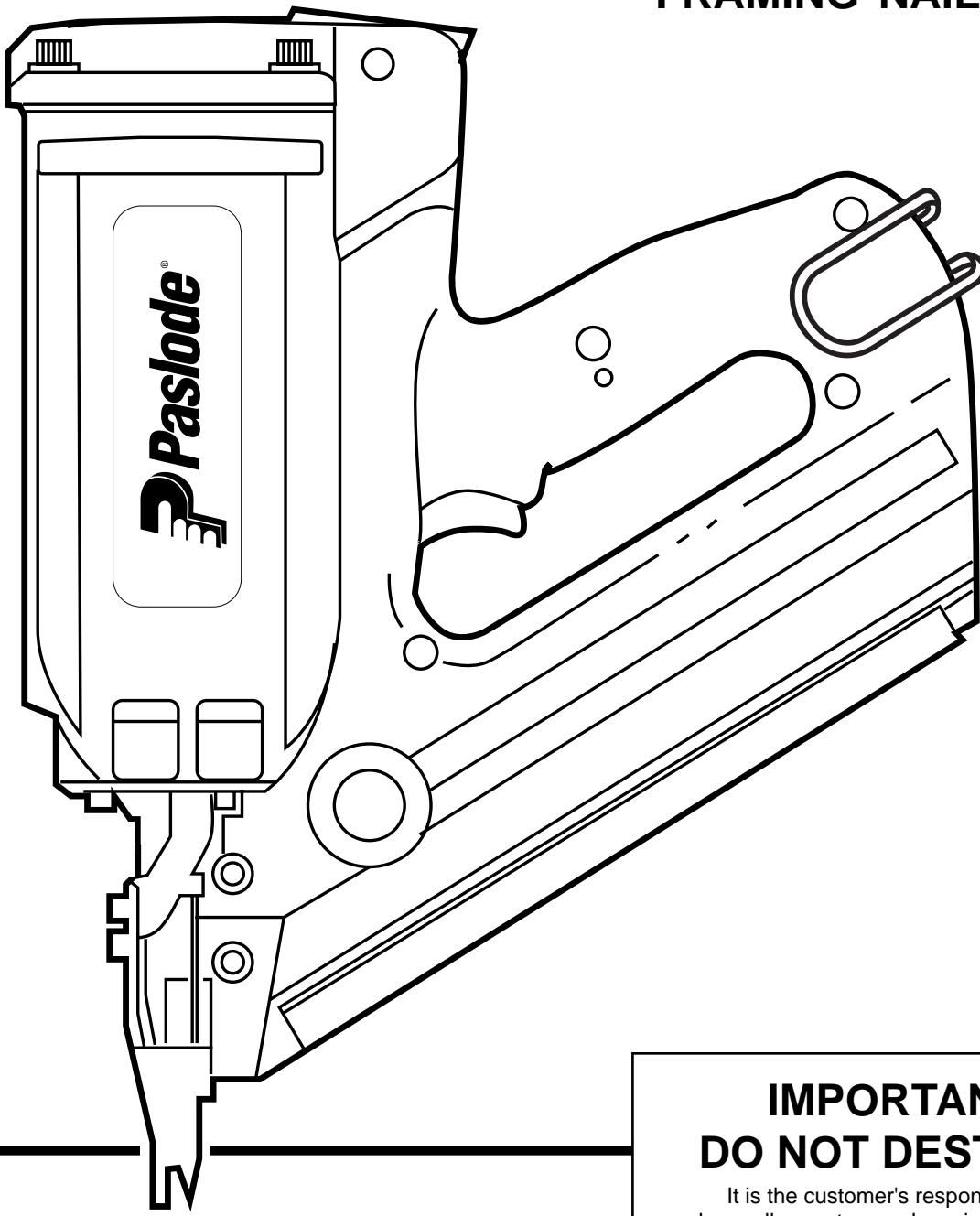




## CORDLESS FRAMING NAILER



### IMPORTANT DO NOT DESTROY

It is the customer's responsibility to have all operators and service personnel read and understand this manual.

# Introduction and Warranty

## Paslode Cordless Framer Operating Manual

This manual is intended to acquaint you with the Paslode Cordless framer. Unlike other power fastening tools, the Cordless framer is powered by an internal combustion linear motor. In simpler terms, your Paslode Cordless framer is powered by a motor similar to the one that powers an automobile. The Paslode Cordless framer ignites a fuel and air mixture to produce the energy to drive the motor, which in turn drives the fastener. As you will see, the Paslode Cordless framer is totally self-contained. It carries its own fuel supply and battery, along with a supply of fasteners.

For ease of use, this manual is divided into sections (see Contents). Each section of the manual is written with you, the tool operator, in mind. We have left out all of the technical terms so that you can readily understand how to get the maximum performance from your Paslode Cordless framer, and how to avoid damaging the tool or injuring yourself. But, to accomplish this, we need you to do two things:

**1. READ THE MANUAL FROM COVER TO COVER BEFORE USING THE TOOL.**

**2. FOLLOW ALL INSTRUCTIONS IN THE MANUAL.**

The Paslode Cordless framer should be handled like other power fastening tools that you use. Like most tools, when used improperly it could result in injury. If you are going to allow others to use the Paslode Cordless framer, it is your responsibility to make sure that they also read and comply with the instructions in this manual before attempting to operate the tool.

Should you have questions about the Paslode Cordless framer, or wish to obtain additional copies of this manual, please contact your Paslode® representative. The space below is provided so that you may record your representative's name, address, and telephone number.

My Paslode representative is:

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone Number \_\_\_\_\_

## Paslode® Cordless Warranty and Limitations

Paslode warranty that new Cordless power fastening tools, parts and accessories will be free from defects in material and workmanship for the period shown below, after the date of delivery to the original user.

### ONE-YEAR LIMITED WARRANTY

A one-year warranty will apply to all parts, except those listed below as normal wearing parts, or parts which are specifically covered by an extended warranty.

### FIVE-YEAR EXTENDED LIMITED WARRANTY

A five-year warranty will apply to all molded nylon parts:

- Motor Housing, Cap and Grille
- Handle Halves and Actuator
- Trigger
- Magazine Parts

### 90-DAY LIMITED WARRANTY

A 90-day warranty applies to the following parts, which are considered normal wearing parts:

- Bumper
- Driver Blades
- O-Rings
- Piston Rings

### WARRANTY STATEMENT

Paslode's sole liability hereunder will be to replace any part or accessory which proves to be defective within the specific time period. Any replacement part or accessory provided in accordance with this warranty will carry a warranty for the balance of the period of warranty applicable to the part it replaces. This warranty does not apply to part replacement required due to normal wear.

This warranty is void as to any tool which has been subjected to misuse, abuse, accidental or intentional damage, use with fasteners, fuel, batteries, or battery chargers not meeting Paslode specification, size, or quantity, improperly maintained, repaired with other than genuine Paslode replacement parts, damaged in transit or handling, or which, in Paslode's opinion, has been altered or repaired in a way that affects or detracts from the performance of the tool.

PASLODE MAKES NO WARRANTY, EXPRESSED OR IMPLIED, RELATING TO MERCHANTABILITY, FITNESS, OR OTHERWISE, EXCEPT AS STATED ABOVE, and Paslode's liability AS STATED ABOVE AND AS ASSUMED ABOVE is in lieu of all other warranties arising out of, or in connection with, the use and performance of the tool, except to the extent otherwise provided by applicable law. PASLODE SHALL IN NO EVENT BE LIABLE FOR ANY DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES WHICH MAY ARISE FROM LOSS OF ANTICIPATED PROFITS OR PRODUCTION, SPOILAGE OF MATERIALS, INCREASED COST OF OPERATION, OR OTHERWISE.

Paslode reserves the right to change specifications, equipment, or designs at any time without notice and without incurring obligation.

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The Paslode® battery charger meets all safety requirements for power tools.



is a trademark  
Paslode  
An Illinois Tool Works Company  
888 Forest Edge Drive  
Vernon Hills, Illinois 60061

Paslode® Power Nailers are made in the U.S.A. and are protected by one or more of the following U.S. patents:<sup>\*</sup>

4,403,722      4,483,280      4,483,474      4,522,162

<sup>\*</sup>Other patents issued and pending.

Paslode® is a member of:



# An Overview of the Paslode Cordless Framer

## Description

The Paslode Cordless framer is a self-contained, fully portable nailer that uses liquid hydrocarbon fuel to power a unique linear drive internal combustion motor.

In order for you to fully understand the information contained in this manual, you need a basic understanding of the Paslode Cordless framer. As you can see in the illustration below, the Paslode Cordless framer is made up of two separable assemblies: handle and motor.

As you examine the Paslode Cordless framer, become familiar with the two major assemblies and the various components located in each of them.

The **Handle Assembly** contains the fuel cell, battery indicator light, magazine, follower, lockout, shear blocks and trigger.

The **Motor Assembly** contains the cover and filter, the motor housing, the nose, and the work contacting element.

## Specifications

**Dimensions:** Weight 6.9 pounds  
Height 14 1/2 inches  
Length 12 inches

**Cycle Rate:** Intermittent Operation – 2 to 3 nails per second  
Continuous Operation – 1000 nails per hour

**NOTE:** Exceeding these rates could cause tool to overheat, resulting in loss of performance or damage to tool components.

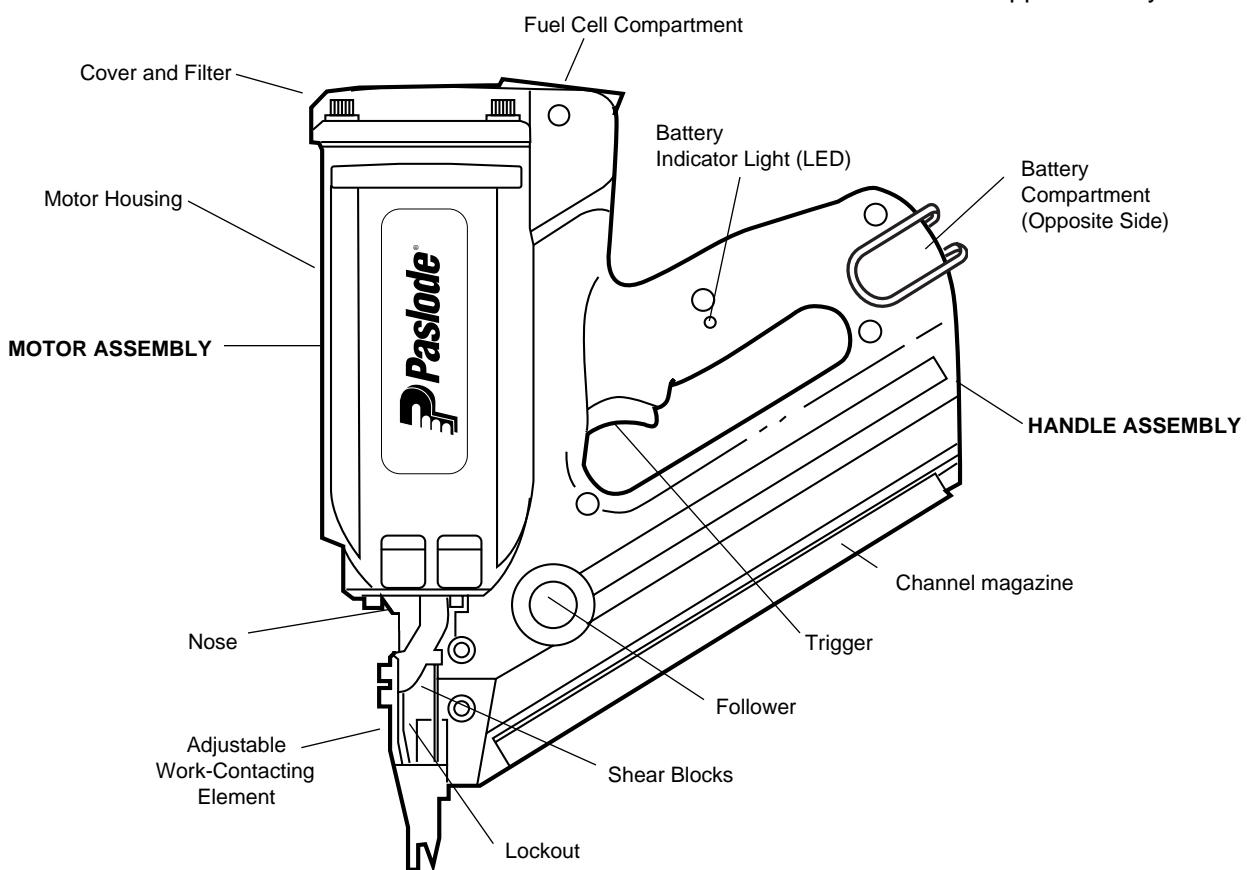
By using the Paslode Cordless framer at its recommended cycle rate, you will be able to drive several thousand nails in a typical workday.

**Fasteners:** Maximum 3-1/4 inch x .131 diameter shank for the Impulse Cordless framer.

**Magazine Capacity:** 1 nail strip + 5 fasteners.

**Battery :** 6 volts DC - Provides enough energy to drive approximately 4000 fasteners on a full charge.

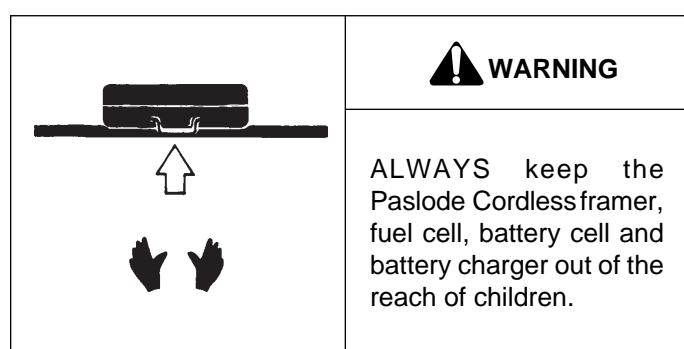
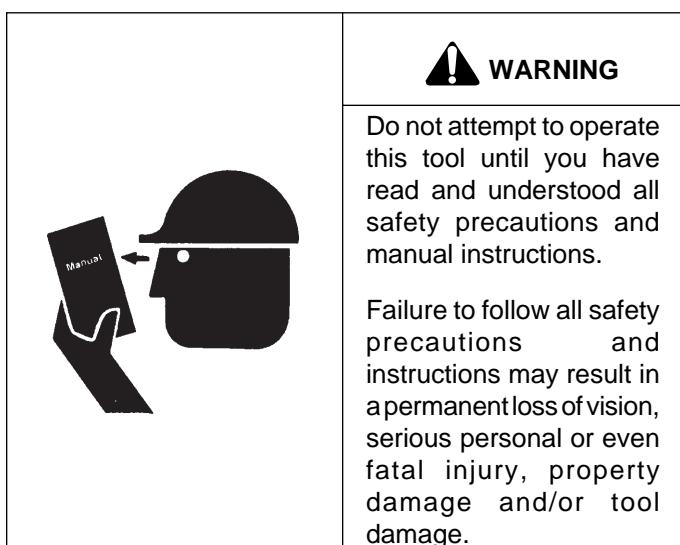
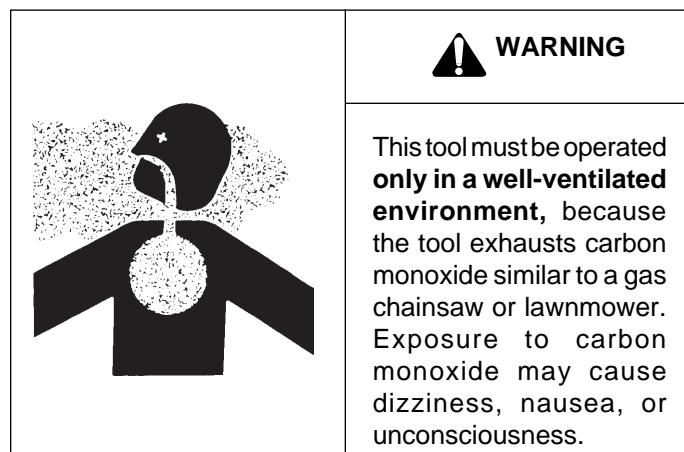
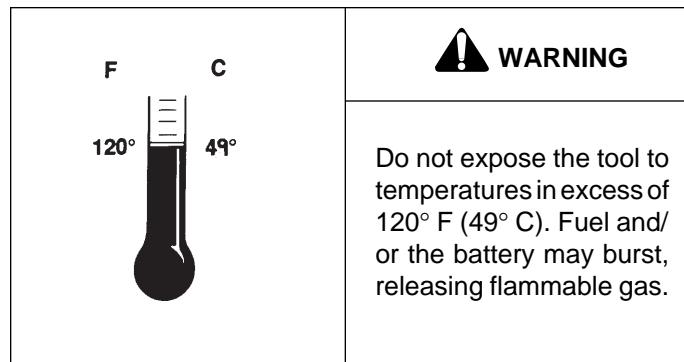
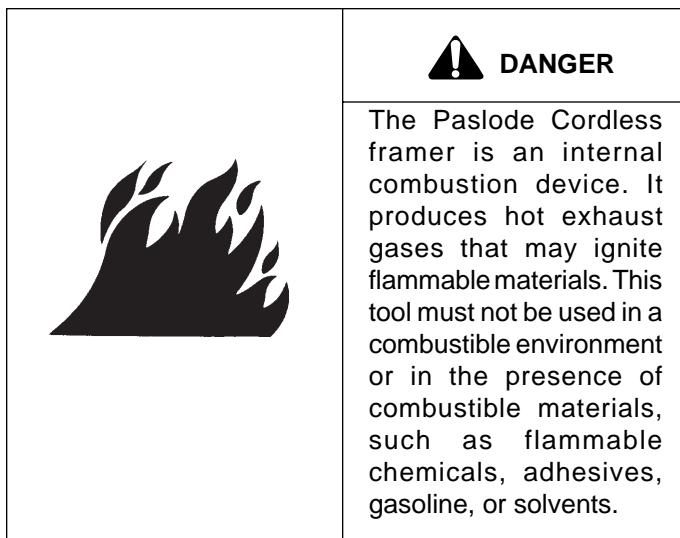
**Fuel Cell:** Liquid hydrocarbon - Provides enough fuel to drive approximately 1200 fasteners.



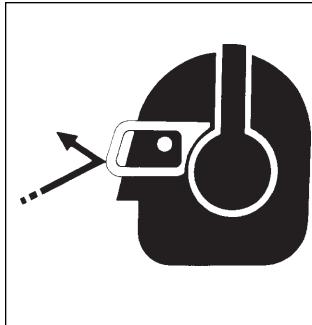
# Safety Instructions

The following safety instructions have been included in this booklet to provide you with basic information necessary for safe operation of the Paslode Cordless framer. DO NOT ATTEMPT TO OPERATE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND MANUAL INSTRUCTIONS.

In addition to these instructions, training may be necessary. Contact your Paslode representative for additional information.



# Safety Instructions



## WARNING

Always wear EYE and EAR safety gear when working with or in the vicinity of the Impulse Cordless Nailer.

1. Eye protection must meet the requirements of ANSI Standard Z87.1 and should have side shields for increased protection.

2. NEVER ASSUME THE TOOL IS EMPTY.

Never point the tool at yourself or anyone else.

3. NEVER ENGAGE IN "HORSEPLAY" WITH THE TOOL.

The Paslode Cordless framer is not a toy – it is a tool. Careless and improper use may result in a serious accident.

4. NEVER CARRY THE TOOL WITH YOUR FINGER ON, OR SQUEEZING, THE TRIGGER.

This practice may result in the accidental discharge of a fastener.

5. NEVER OPERATE A MALFUNCTIONING TOOL.

Refer to the servicing or troubleshooting section of this manual to correct the problem. If the problem cannot be corrected, stop using the tool and report it to your supervisor or Paslode representative.

6. DO NOT LOAD FASTENERS WITH THE TRIGGER AND/OR WORK CONTACTING ELEMENT PRESSED IN.

A fastener may be accidentally discharged.

7. NEVER REMOVE OR DISABLE THE WORK CONTACTING ELEMENT.

This device helps reduce the possibility of accidental fastener discharge by preventing the tool from operating until it is completely against the work surface.

NEVER operate the tool if the work contacting element is not working properly.

8. ALWAYS POINT THE TOOL AWAY FROM YOURSELF AND OTHERS WHEN CLEARING JAMS OR REMOVING FASTENERS.

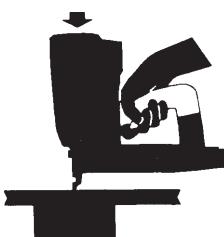
Pull the follower slightly back and push the release lever. Tip the tool nose up slightly and fasteners should slide out of the rear of the magazine. If fasteners are jammed, refer to the appropriate servicing section of this manual.

9. NEVER OPERATE THE PASLODE CORDLESS FRAMER IF PARTS ARE LOOSE, DAMAGED OR MISSING.

10. DO NOT DRIVE FASTENERS INTO KNOTS OR ON TOP OF OTHER FASTENERS.

A fastener may ricochet and cause serious injury.

11. OPERATE THE TOOL ONLY ON THE WORKPIECE.



## WARNING

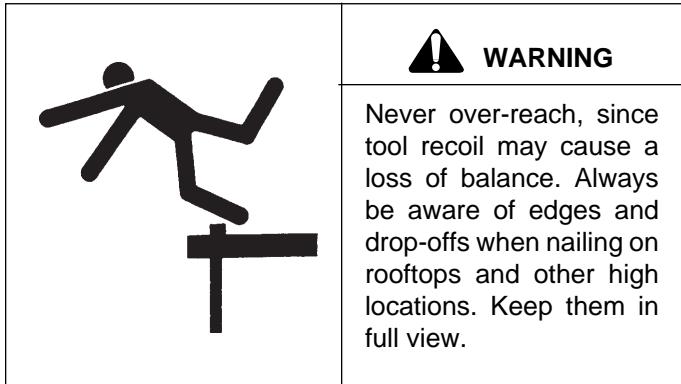
The Paslode Cordless framer should be operated only when it is in contact with the work surface. When fastening thin materials such as plywood, be sure to position the tool so that the fastener is driven into the underlying piece.

# Safety Instructions

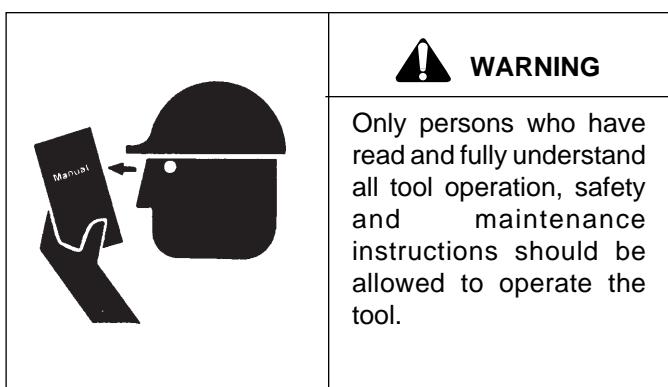
12. NEVER DRIVE FASTENERS INTO AREAS WITH CONCEALED HAZARDS.

Always check the area behind the work surface for electrical wiring, gas pipes, water pipes, sewer drains or other potential hazards.

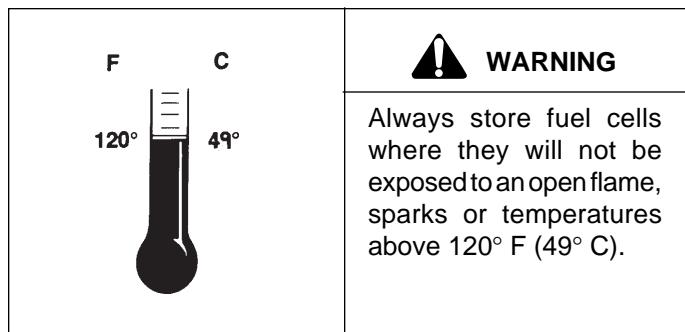
13. ALWAYS MAINTAIN SECURE AND UNOBSTRUCTED FOOTING WHEN ON LADDERS, PLATFORMS OR OTHER HIGH LOCATIONS.



14. ALLOW ONLY QUALIFIED PERSONNEL TO OPERATE THE PASLODE CORDLESS FRAMER.



15. PROPERLY STORE FUEL CELL.



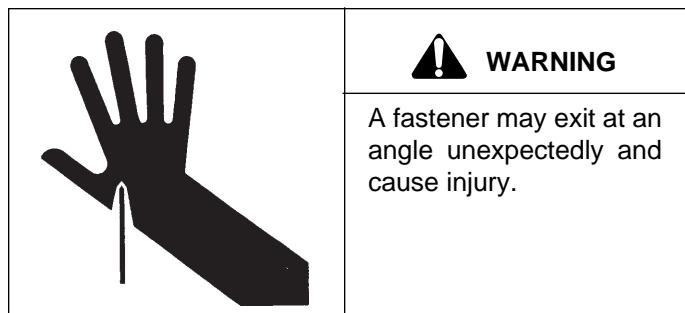
16. ALWAYS STORE THE TOOL WITH THE FUEL CELL AND BATTERY REMOVED.

Store the fuel cell in the case with the Paslode Cordless framer.

17. KEEP THE TOOL CLEAN.

A clean tool is less likely to jam or malfunction.

18. KEEP YOUR HANDS CLEAR OF THE WORK AREA SURFACE.



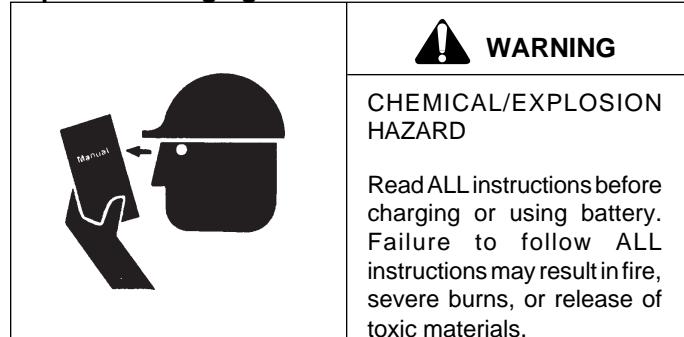
**Battery Disposal:**

The Impulse battery contains cadmium and must be recycled or disposed of properly. It is illegal in some areas to place a nickel-cadmium battery into the trash or solid waste stream. You may contact your local recycling center for information on where to return the spent battery or call 1-800-822-8837 for information on Ni-Cd battery recycling in your area.

# Battery Charging System

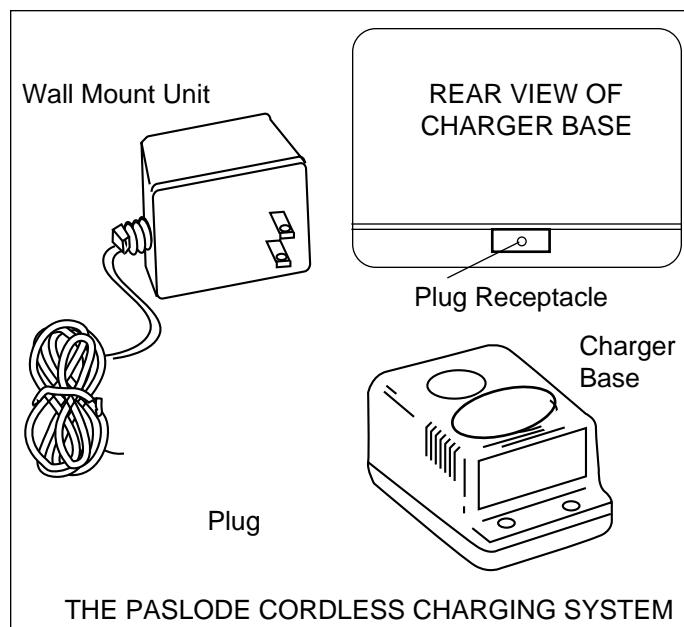
The Paslode Cordless tool comes with a rechargeable battery and its own charging system. This battery and charging system combination is the only one that will work with all Paslode Cordless tools. It will accept either the round or oval shaped batteries. The first step in preparing a new tool for operation is to fully charge the battery. **New batteries are shipped discharged and must be charged prior to first use.** Batteries will take 5 minutes to 2 hours (time will be dependant on the amount of discharge within the battery) to recharge.

## Important Charging Notes



## Battery Disposal:

The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates Paslode is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC® program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-8-BATTERY™ (1-800-822-8837) for information on Ni-Cd battery recycling and disposal in your area. Paslode's involvement in this program is part of our commitment to preserving our environment and conserving our natural resources.



## CHARGING INSTRUCTIONS:

1. Remove wall mount unit with the orange label from the tool case and plug into a 120V AC outlet. Set orange charger on a stable surface and insert the wall mount unit's plug into the plug receptacle on the back of the charger(see picture). A green light indicates power is on and charging system is ready.
2. Remove the battery from tool or case and insert terminals down into charger. The red light will come on indicating that the battery is charging and the green light will go out.

NOTE
If battery is completely discharged the red light and the green light may alternate back and forth for up to 20 minutes. This safety feature slowly recharges the battery until it is ready to accept the full charging current. If the red and green lights continue to alternate after 20 minutes, replace the battery.

3. After charging, the red light will go out and the green light will come on, indicating that the battery is fully charged. The charger will keep the battery at full charge until it is removed.
4. Unplug the wall mount unit from the charger and remove the wall mount unit from the 120V AC outlet.

## CHARGING TIMES:

First charge (new battery)	<b>2 hours</b>
Discharged Battery	5 minutes to 2 hours

## CHARGING DON'TS:

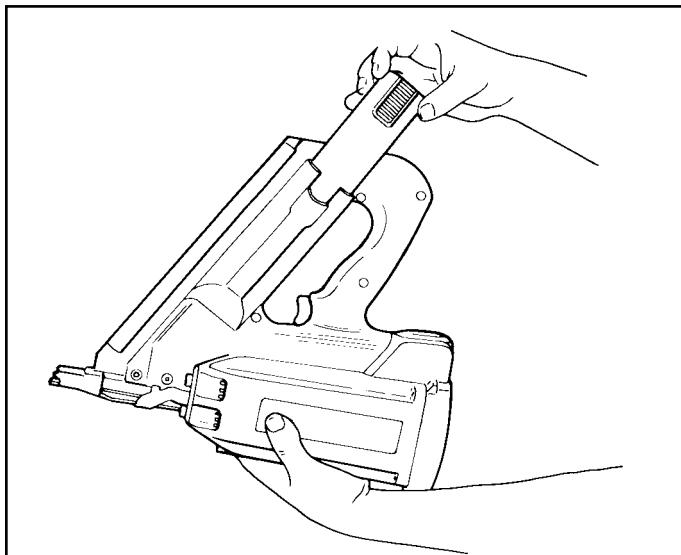
1. Do not charge battery outdoors or in temperatures below 40°F (5°C).
2. Do not allow metal objects to come in contact with battery terminals.
3. Do not puncture or attempt to open battery case or cells.
4. Do not store battery where it will be subjected to temperatures above 120°F (49°C).
5. Do not incinerate battery.
6. Do not use a defective battery charger, one that over-heats and/or smokes when plugged in.
7. Do not immerse the battery in water.

## Charging System Accessories:

Battery Charger Kit - Part No. 900200  
Wall Mount Transformer\* - Part No. 900477  
Battery Charger Base\* - Part No. 900476  
Automotive Adapter\* - Part No. 900507

\* Cannot use with previous (gray in color) charging system components.

# Battery and Charging System



## Inserting Battery

1. Load the battery, contacts first, into the Paslode Cordless framer.
2. Push battery fully forward into its locked position.
3. To remove battery, push down on locking tab and slide battery out.

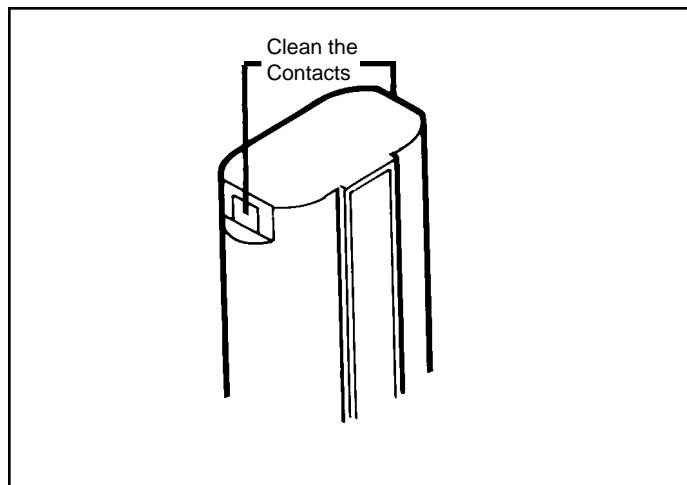
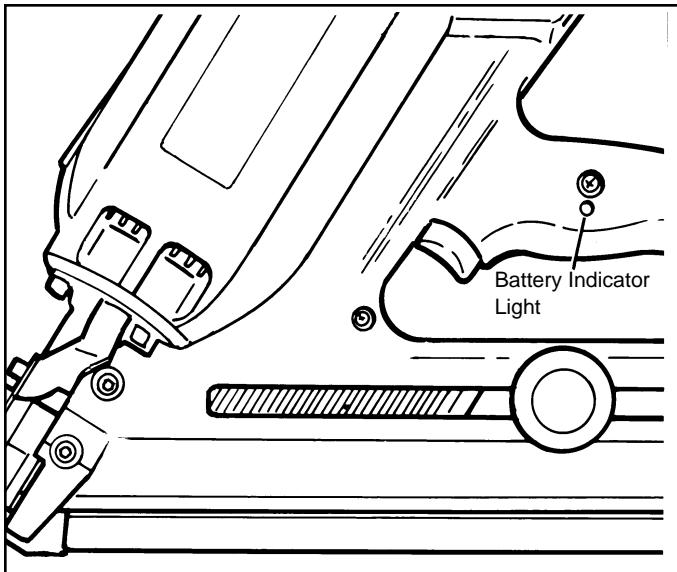
**NOTE:** If battery is left in tool for an extended period, the battery will discharge completely and will require recharging.

**IMPORTANT:** Should your battery terminals become corroded and cause poor electrical contact, clean the terminals using a fine emery cloth.

## Battery Indicator Light

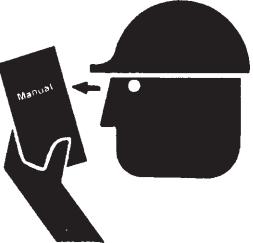
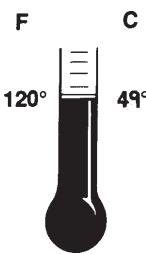
The illustration is a close-up of the side of the Paslode Cordless framer handle. On the side of the handle is a small plastic lens. This is the battery indicator light.

When you insert a fully-charged battery into the tool, you will see a blinking green light. If the light blinks red, recharge the battery.



# Fuel Cell and Metering Valve

## Fuel Cell

  	<p><b>DANGER</b></p> <p><b>EXPLOSION/FIRE HAZARD</b></p> <p>Read ALL safety instructions before using or handling the fuel cell. Failure to follow ALL instructions may result in explosion or fire. This may cause severe personal injuries or property damage.</p> <p>Keep the fuel cell away from heat, sparks and open flame.</p> <p>Exposure to temperatures above 120°F (49°C) may cause the fuel cell to burst, releasing flammable gas.</p>
--	---

There is a second container inside the fuel cell. The inner container holds the fuel. The space between the inner container and the outer cylinder is filled with a gas, called the propellant, which is under pressure.

To eject the fuel, propellant pressure squeezes the inner fuel container, much as you squeeze a tube of toothpaste. This squeezing action ensures that all the fuel is used, and that the Paslode Cordless framer can operate in any position.

Because of this container-within-a-container design, you might hear the sound of fluid when shaking the fuel cell after all the fuel has been used. This is the propellant, which remains between the containers even after all the fuel has been expelled.

If you expose the empty fuel cell to extreme temperatures, the propellant gas will expand and could cause the container to burst, releasing flammable gases.

## Metering Valve

The metering valve contains a fuel metering system to inject the correct amount of fuel into the combustion chamber.

The **red** metering valve is the only valve that will operate properly with the Paslode Cordless framer.

<p><b>WARNING</b></p> <p>Sunlight can raise the inside temperature of an unventilated car or van to above 140°F (60°C).</p> <p>Do not puncture or attempt to open the fuel cell; it is non-refillable.</p> <p>Do not incinerate, reclaim or recycle the fuel cell.</p> <p>Do not smoke while installing or operating the metering valve.</p> <p>Do not inhale the spray.</p> <p>Keep out of the reach of children.</p> <p>Store fuel cell(s) in well-ventilated areas only.</p>
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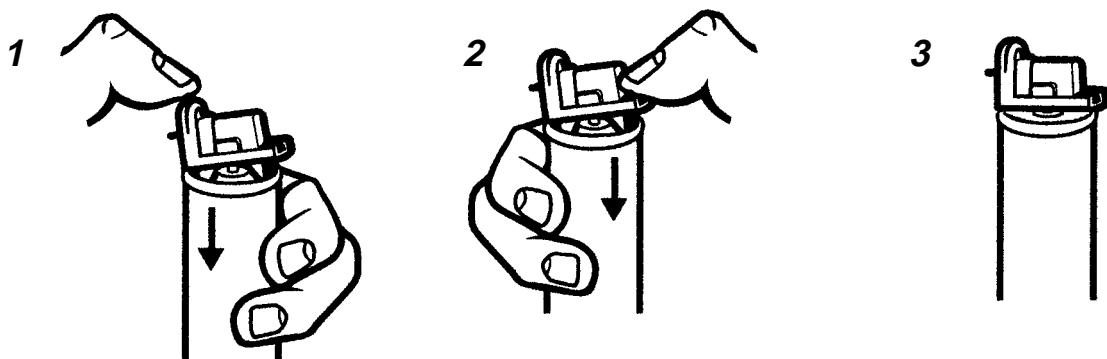
<p><b>NOTE</b></p> <ol style="list-style-type: none"><li>1. Do not attempt to reuse the metering valve! Replace with fresh fuel cell/valve, and dispose of spent cell/valve properly.</li><li>2. When replacing fuel cell also clean or replace air filter for optimum tool operation.</li></ol>
--

# Fuel Cell and Metering Valve

## Attaching Metering Valve to Fuel Cell

To attach the metering valve to a fuel cell:

1. Press downward on the front side of the valve (stem side) until it seats.
2. Press downward on the rear of the valve until it seats.
3. The valve is now completely seated on the fuel can and can be inserted into the tool.



**NOTE:** Impulse fuel cell are marked with an expiration date on the bottom of the can. For maximum performance use fuel before expiration date.

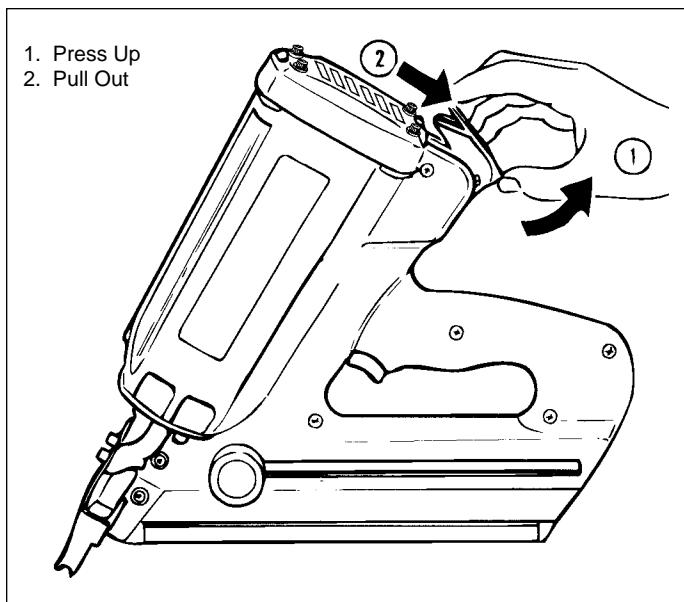
**DANGER**

Impulse Fuel is flammable.  
Do not smoke when installing the metering valve!

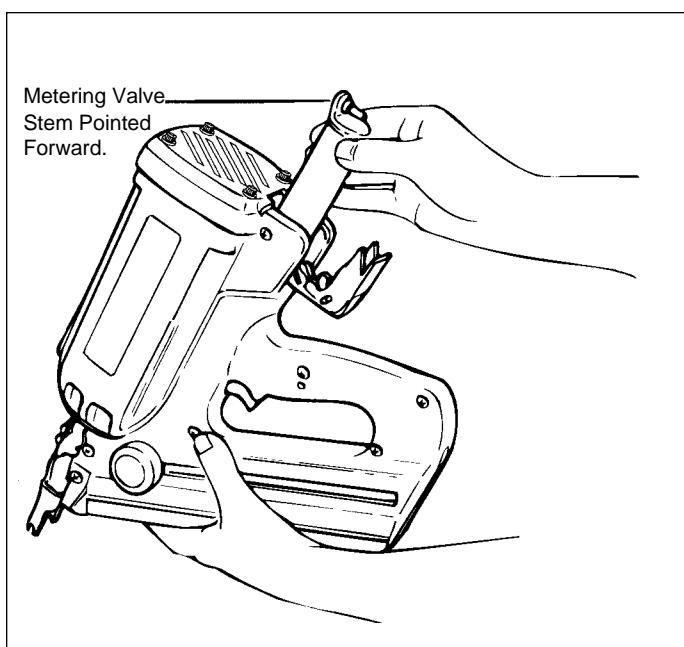
# Fuel Cell and Metering Valve

## Inserting Fuel Cell

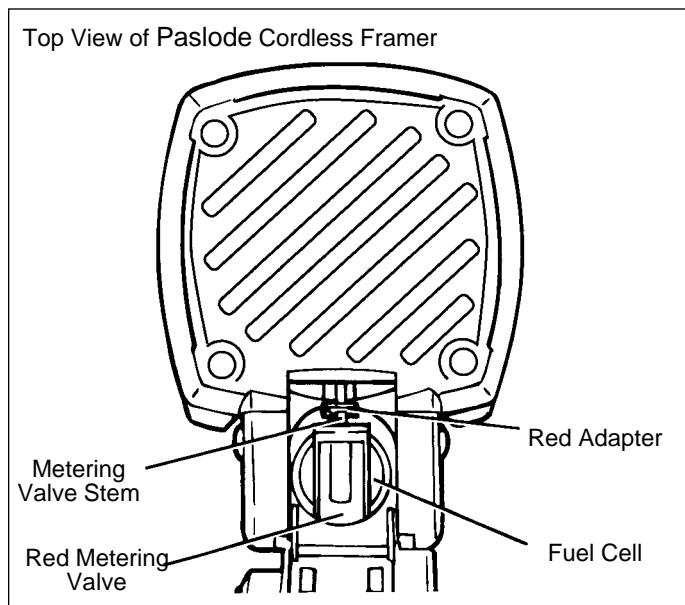
Inserting the metering valve/fuel cell assembly into the Paslode Cordless framer is very simple. To begin, press up at the bottom of the actuator cover and pivot outward to open. The cover will swing out of the way.



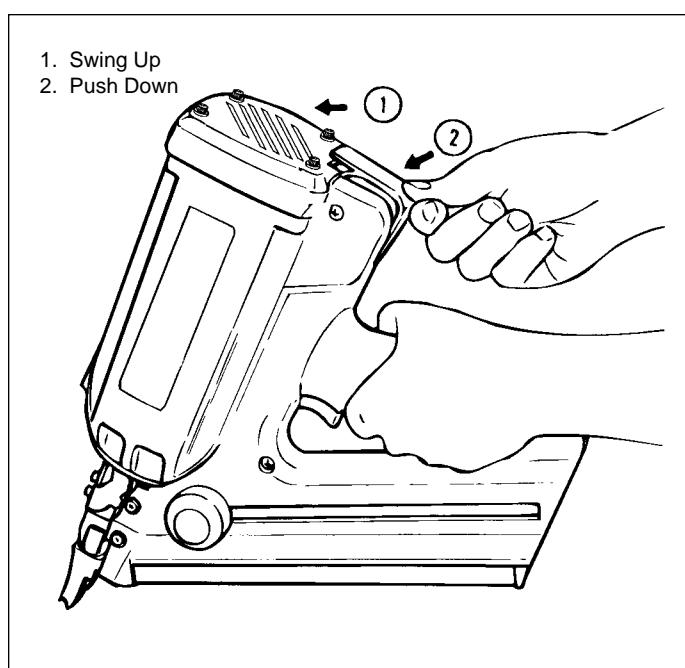
Next, with the metering valve stem pointed toward the front of the tool, insert the metering valve/fuel cell assembly.



As you slide the metering valve/fuel cell assembly into the Paslode Cordless framer, you will notice a red adapter at the top of the cylinder pocket. As shown in the illustration, this adapter is designed to ensure that the metering valve stem is properly aligned with the small hole, or orifice, that leads to the combustion chamber. Insert the metering valve stem into the orifice of the red-colored adapter.



Close the actuator cover to complete the loading of fuel in the Paslode Cordless framer. Do this by swinging it up and over the fuel valve/cylinder assembly, and pushing down until the actuator cover snaps into position.



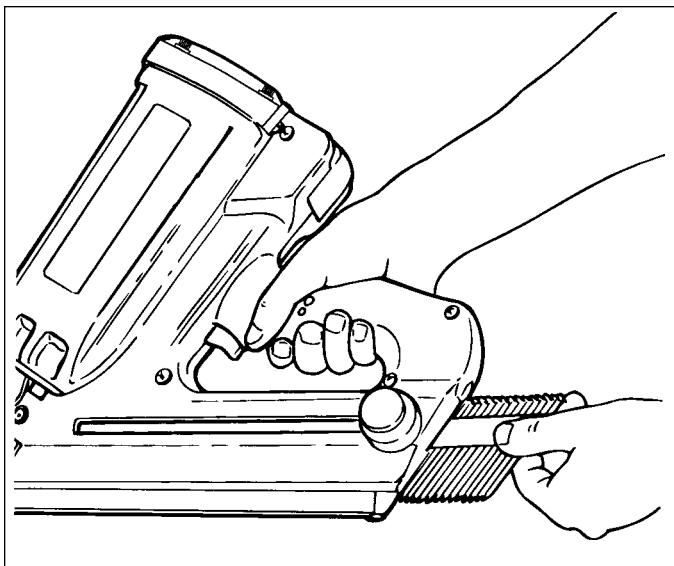
# Preparing the Paslode Cordless Framer for Use

## Fasteners

The Paslode Cordless framer drives Paslode clipped-head nails, which have been collated into strips. The use of nails that do not meet Paslode standards could cause tool damage and void your warranty. Paslode nail sizes and types are illustrated in the Fasteners and Applications section.

## Loading Fasteners

The illustrations below show how to properly load fasteners. To load, pull the follower handle back to the rear lock position (button will pop out). Insert a strip of nails and release follower by pushing on button.



There is a reload indicator on follower and tool. A full strip can be loaded in this area as shown above.



### CAUTION

Five (5) nails will be left in the magazine after a strip has been used. The indicator arrow shows that you can reload. It does not indicate that the Paslode Cordless framer is empty. Because of a lockout feature in the Paslode Cordless framer it will not operate when the nail supply in the tool is less than six (6) fasteners.

## Outdoor Weather and Impulse Cordless Framer

Use the Paslode Cordless framer outdoors, in clear weather, when the nailer, fuel cell, and battery are between 20°F (-7°C) and 120°F (49°C).

### HOT WEATHER OPERATION

The Paslode Cordless framer requires cooling of the motor assembly to operate properly. The fan normally provides the necessary air flow to permit continuous operation. Whenever the Paslode Cordless framer is idle for extended periods, keep the fuel and tool out of direct sunlight and in surroundings where temperatures will not exceed 120°F (49°C). After extended periods of continuous use, it may be necessary to cool the Impulse motor by setting tool aside for 10-15 minutes or until the tool operates normally. An overheated tool may not drive nails completely or may operate erratically.

### COLD WEATHER OPERATION

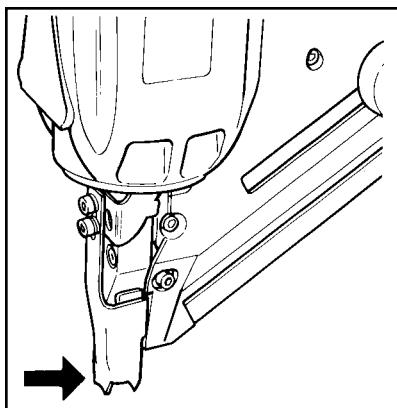
Fuel cells at cold temperatures lose the required propellant force. Bring the tool, battery, and fuel cell above minimum operating temperature without direct exposure to flame, and check the battery.



### CAUTION

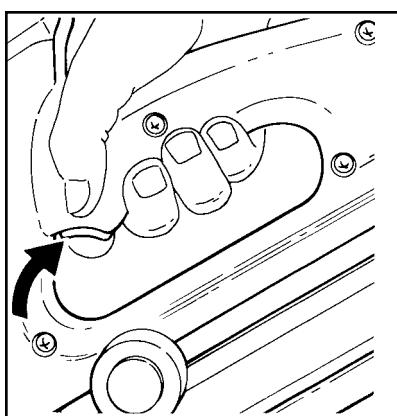
The Paslode Cordless nailer should not be used in the rain or where excessive moisture is present. The use of the Paslode Cordless nailer under these conditions may result in damage to tool components and cause tool to malfunction.

# Paslode Cordless Framer Operation



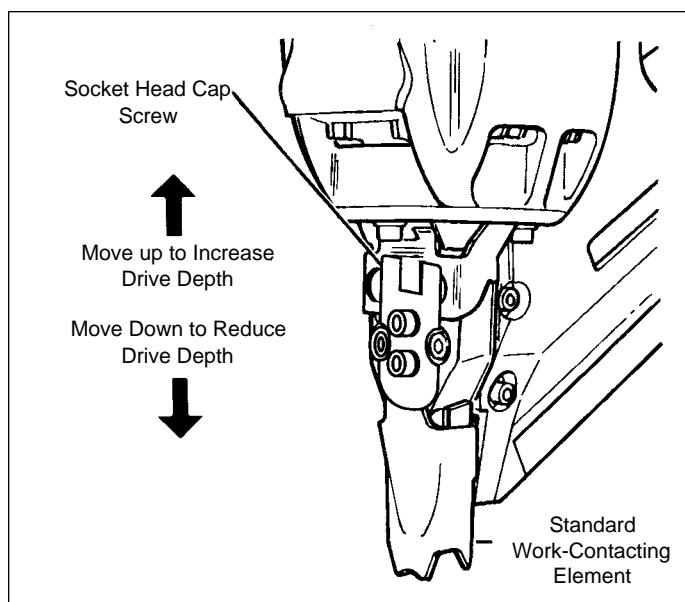
PRESS WORK –  
CONTACTING  
ELEMENT  
AGAINST THE  
WORK SURFACE.

Fan motor starts,  
fuel is injected into  
combustion  
chamber and  
mixed with air by  
the fan.



SQUEEZE  
TRIGGER  
Spark plug sparks  
and fuel/air mixture  
ignites.  
Combustion  
powers piston  
assembly driving  
fastener.

LIFT TOOL -  
RELEASE  
TRIGGER  
Combustion  
chamber opens.  
Fan exhausts hot  
gases and cools  
internal  
components.



## Depth of Drive Adjustment

Remove the fuel cell before adjusting the depth of drive.

The depth of drive adjustment is made by adjusting the work-contacting element. The two (2) socket head cap screws indicated in the illustration are loosened to allow the element to be moved up or down. You will need the allen key provided with the tool to make this adjustment.

If the tool is over-driving (the nail head is driven below the surface of the wood), the work contacting element should be moved down slightly. If the nails stand up (the head is not flush with the work surface), the work contacting element should be moved up slightly.

Adjust the work contacting element to get the nail head depth to meet job requirements.



### DANGER

The work contacting element and nose will become hot after prolonged or rapid use. If it becomes necessary to adjust the work contacting element, avoid touching with bare hands.

## No-Mar Work-Contacting Element

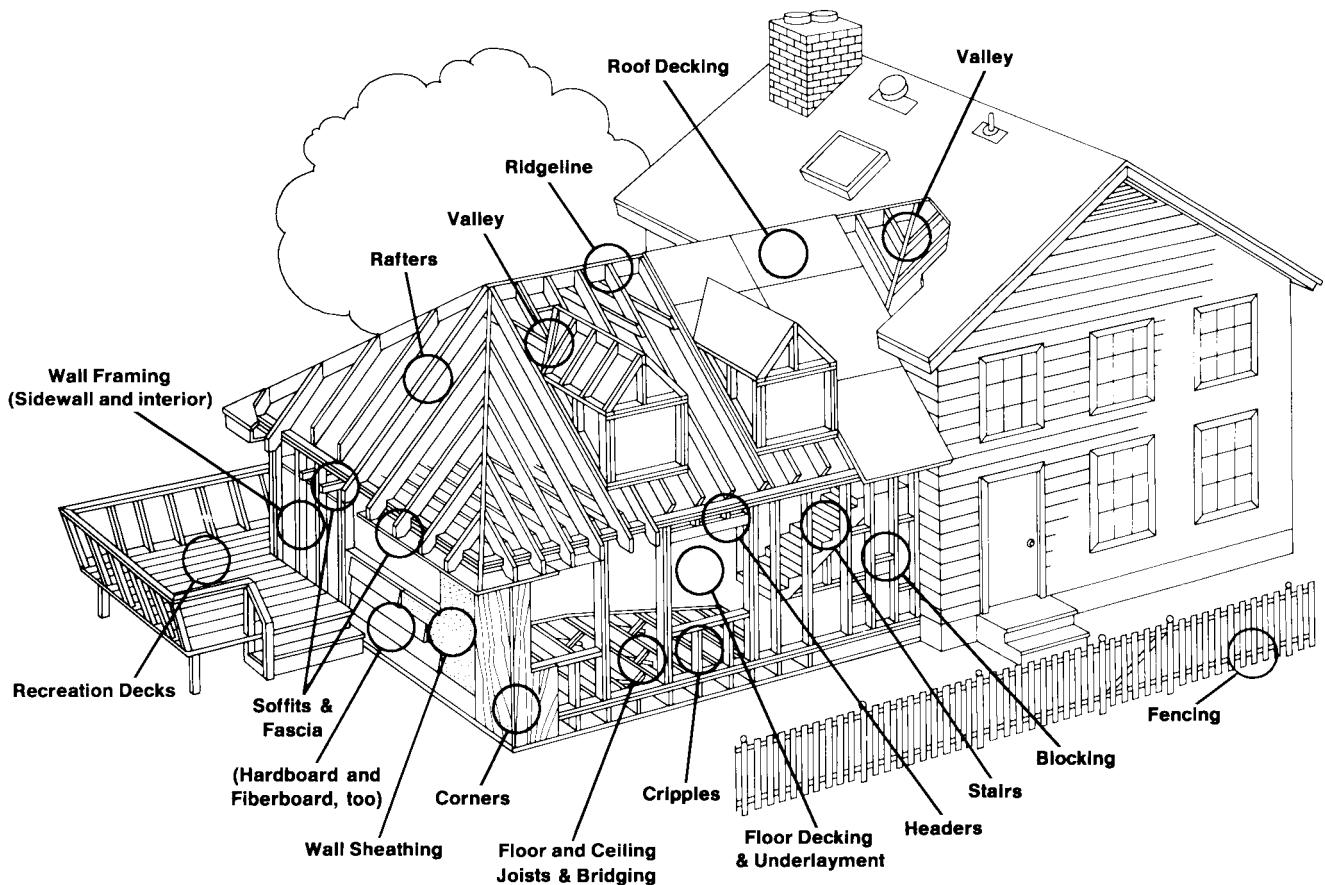
For applications where the work-piece must be mark free, like in siding and recreational decks, order the Impulse No-Mar Work-Contacting Element, Part No. 404705.



### DANGER

Never attempt to operate the Paslode Cordless framer unless both adjustment screws are installed. Intentional removal of an adjustment screw could result in improper tool operation, loss of nail control and injury to tool user or bystanders.

# Fasteners and Applications



## SIZE

2" x .113 (6D)

2" x .113 (6D)

2-3/8" x .113 (8D)

2-3/4" x .113 (8D)

3" x .120 (10D)

3" x .120 (10D)

3" x .131 (10D)

3-1/4" x .131 (12D)

## TYPE

Common Ring Shank

Common ring shank,  
hot-dipped galvanized

Cooler ring shank

Coated ring shank,  
hot-dipped galvanized

Coated nail

Ring shank, hot-dipped  
galvanized

Coated nail

Coated nail

## APPLICATION

Underlayment, wall sheathing,

roof and floor decking,siding

Fencing, siding

Roof & floor decking, underlayment,  
sheathing

Recreational decking, siding, fencing

Remodeling

Fencing, recreational decking, siding,  
tile roofs

Framing

Framing

# Fasteners and Applications

The Paslode Cordless framer drives Paslode clipped-head nails, which have been collated into strips. The use of nails that do not meet Paslode standards could cause tool damage and void your warranty. Paslode offers a variety of sizes and styles for many applications.

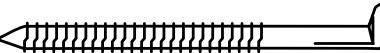
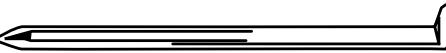
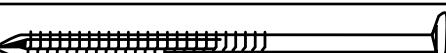
**Smooth Shank** - For general construction, carpentry and framing: the most popular and versatile.

**Ring Shank** - The ring shank provides improved withdrawal resistance for applications where the resistance from smooth shank fasteners is not adequate: floor decking, crating, pallets.

**Hardened Steel** - For attaching wooden plates to green concrete foundations; 2X furring strips to cinder block.

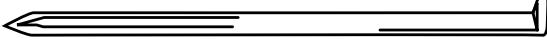
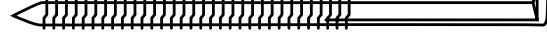
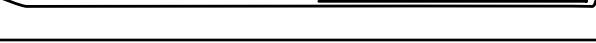
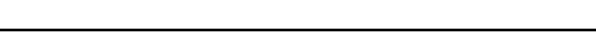
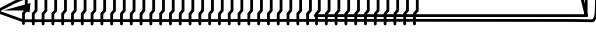
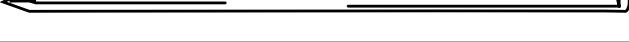
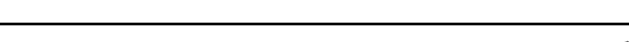
**Hot Dipped Galvanized** - These nails should be used where higher corrosion resistance is required to retard rust and rust staining. Recommended for use in natural wood siding, such as cedar, redwood, cypress and preservative treated lumber. (Not for use in all-weather wood foundations.)

**TLN Treated Lumber Nail**- These nails are hot dipped with a baked on polymer coating. They offer the highest corrosion resistance of any galvanized nail.

THE IMPULSE CORDLESS FRAMER DRIVES THESE NAILS	PART NO.	SIZE	TYPE
	097385	2" x .113	Smooth Shank
	097386	2" x .113	Smooth Shank, Hot Dipped Galvanized
	097387	2" x .113	Ring Shank
	097388 404761	2" x .113	Ring Shank, Hot Dipped Galv. Ring Shank, TLN
	401548	2-1/4" x .113	Smooth Shank, Hardened Steel
	097394	2-3/8" x .113	Smooth Shank
	097395	2-3/8" x .113	Smooth Shank, Hot Dipped-Galv.
	403973	2-3/8" x .113	Smooth Shank, TLN
	403974	2-3/8" x .113	Ring Shank, TLN

# Fasteners and Applications

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THE PASLODE CORDLESS FRAMER DRIVES THESE NAILS	PART NO.	SIZE	TYPE
	097394 097397 097398	2-3/8" x .113 2-3/8" x .113 2-3/8" x .113	Smooth Shank Ring Shank Ring Shank, Hot Dipped-Galvanized
	403388	2-3/4" x .113	Ring Shank, Coated* Mechanically Galvanized
	097969	2-3/4" x .120	Smooth Shank, Coated*
	097970	2-3/4" x .120	Ring Shank, Coated*
	097971	3" x .120	Smooth Shank, Coated*
	097972 403975	3" x .120	Smooth Shank, Coated* Hot Dipped-Galvanized Smooth Shank, TLN
	097973 403976	3" x .120**	Ring Shank, Coated* Ring Shank, TLN
	403470	3" x .120	Ring Shank, Coated* Hot Dipped-Galvanized
	404058	3-1/4" x .120	Smooth Shank, Coated*
	401838	3" x .131	Smooth Shank, Coated*
	097975	3-1/4" x .131	Smooth Shank Coated*
	403977	3-1/4" x .131	Smooth Shank, TLN
	403469	3-1/4" x .131	Smooth Shank, Coated* Hot Dipped-Galvanized
	097978 403978	3-1/4" x .131** 3-1/4" x .131**	Ring Shank, Coated Ring Shank, TLN

All nails pictured actual size.\*

\* Coated with an acrylic resin for ease of drive and greater holding power.

\*\*The Impulse Cordless framer is not recommended for use with 3" Ring Shank Nails in pressure treated lumber.

# Servicing

## Restrict Field Service to the Following

- CHECKING THE ENERGY LEVEL OF THE BATTERY
- RECHARGING THE BATTERY
- CHECKING THE FUEL CELL AND METERING VALVE
- REPLACING THE FUEL CELL
- CLEANING THE AIR FILTER
- CLEARING A JAM

Attempts to go beyond these procedures could result in serious personal injury or damage to the Paslode Cordless framer and voiding the warranty.

There are certain problems you may encounter when you are using the Paslode Cordless framer that you will be able to correct on the work site. The following field service procedures are the only service procedures you should attempt. Anything else that may appear wrong with the Paslode Cordless framer should only be diagnosed and repaired by a fully trained service technician. If you have any reason to believe that your problem is beyond the service procedures in this manual, contact your Paslode representative immediately.



### DANGER

Never attempt any maintenance of the Paslode Cordless framer without first removing the fuel cell and battery. Maintenance should be started only after the tool is **completely** inoperative.

## Battery Check

Periodically check the battery indicator light in the handle of the Paslode Cordless framer. When encountering a problem, the first step should always be to make sure the battery has enough energy to operate the tool.

When the work contacting element is pressed on work piece, the fan motor will turn on and blinking green light will turn solid green. If the light blinks red or glows red, recharge battery.

## Fuel Cell Check

If the Paslode Cordless framer's fan operates and the light is green, but the tool will not cycle or does not drive fasteners completely, check the fuel cell. With the fuel cell out of the tool, check to see if the cell still contains fuel and that the metering valve is working. To determine if there is any fuel left in the fuel cell, hold in the upright position and simply place the metering stem against a solid object, and gently push about three or four times. A small amount of fuel should be released each time.



### DANGER

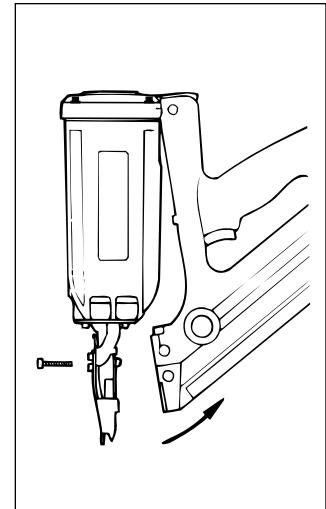
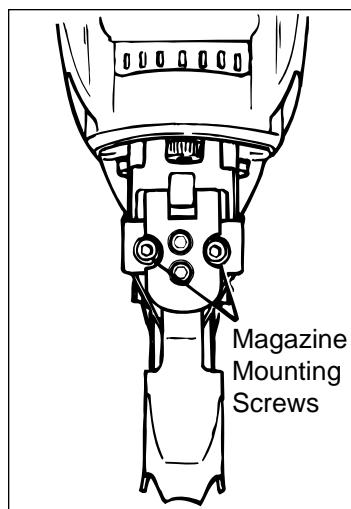
Never perform this test near an open flame or sparks, while smoking, or where the fuel may get into your eyes.

If fuel is not released with each operating of the metering valve, this indicates that there is no more fuel left in the cylinder and it must be replaced. Dispose of the empty fuel cell properly.

## Clearing a Jam

A typical problem you may encounter is having a jammed fastener. Because of the unique design of the Paslode Cordless framer, clearing a jammed fastener is easy:

1. Remove the fuel cell and battery.
2. Lock follower back in magazine and remove fasteners.
3. Remove the (2) magazine mounting screws with the 5/32 hex key.
4. Pull handle/magazine away from the nose of the tool and clear jam.
5. Realign handle magazine to nose, and tighten mounting screws.
6. Reload fasteners and release follower.



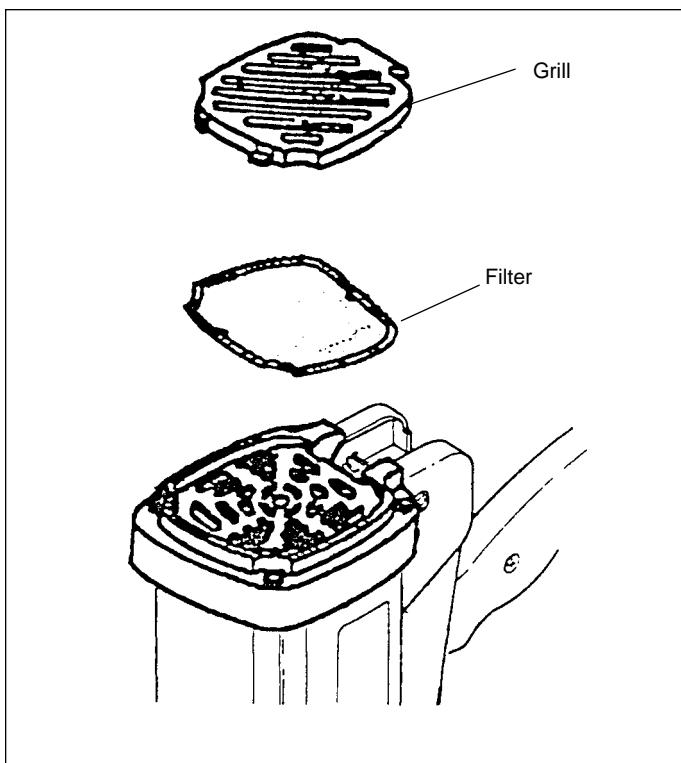
## Clearing a Jam (continued)

Make certain magazine mounting screws are tight and magazine is tight to nose. Attempting to fire tool with a loose magazine will result in loss of nail control, damage to tool, or nail discharge toward operator.

## Air Filter

Open the grill by pressing slightly above the adapter, and pivoting the cover open. The air filter simply lifts out.

Tap the filter GENTLY to remove any dust. Check and clean the air filter every two days. Soap and water restores the filter to a "like new" condition.



## End-of-Workday Routine

At the end of each workday, conduct an end-of-workday routine. These simple steps are based on maintaining the safety and operational efficiency of the Paslode Cordless Framer.

Before you leave the work site:

1. Remove battery and store in tool case. Always use the Paslode Cordless Framer case for transporting and storing the tool.
2. Dispose of all empty fuel cells. Remember to dispose of these cells where they will not be found by children, crushed, punctured, or burned.

When you get home:

1. Place the battery in its charger if it needs charging as indicated by the red charge light on the handle.
2. Wipe your Paslode Cordless Framer with a clean, soft cloth.
3. Remove and clean the filter every two days.

## Impulse® Accessories

A variety of accessories are available for the Paslode Cordless Nailer:

### No-Mar Work Contacting Element - Part No. 404705:

Enhances Paslode Cordless Framer for siding, recreational deck and many other applications where mark-free results are desired.

### Fuel Cell - Part No. 401301

### Battery - Part No. 404717

Extra battery allows use of one battery while spare battery is being charged.

### Tinted Safety Glasses - Part No. 402512:

Cuts glare while affording eye protection.

### Clear Safety Glasses - Part No. 402510

### Impulse® Oil - Part No. 401482

### Battery Charger Kit - Part No. 900200

### Wall Mount Transformer - Part No. 900477

### Battery Charger Base - Part No. 900476

### Paslode Cordless Framer Case - Part No. 404710

### Automotive Adapter - Part No. 900507

Contact your Paslode® representative for additional information.

## Tools

A 5/32 Hex Socket Wrench (Part No. 401331) is provided with each Paslode Cordless Framer.

# Troubleshooting

## Preparing Tool for Operation - Battery/Charger Problems

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Battery does not appear to accept charge when the battery and charger is plugged into the wall mount adapter.	Inoperative indicator lights on charger, or defective charger.	Try battery in tool after a full charge cycle. If tool LED is green, charger not working properly. Replace charger, or monitor charging time to ensure battery has adequate time for recharging. It is normal for battery to feel warm after properly charging.
	Battery damaged or cycle life exhausted.	Replace battery.
Charger gets hot, makes excessively loud noise, or smokes during charging cycle. Charger cord or wall plug gets hot.	Damaged charger.	Discontinue use immediately and unplug from power source. Replace charger and tag or dispose of charger to prevent accidental re-use or connection to power source.

## Normal Stage of Operation

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Fan does not run - tool indicator light is blinking red or solid red.	Battery is not charged.	Charge battery.
	Battery terminals are oily, dirty, or corroded.	Clean battery terminals with fine emery cloth.
Fan does not run, or runs slower than normal - tool indicator light is solid red.	Battery is discharged.	Charge battery.

## Pre-Combustion/Combustion Stage of Operation

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Work-contacting element does not depress fully - tool does not operate.	Lockout bracket is stuck in lockout position.	Check lockout. If unable to free return tool to authorized Paslode dealer for service.
	Work-contacting element is bent, or build-up of debris in track restricts operation.	Remove and inspect lower probe. Clean and lubricate track with Paslode Impulse® oil. Repair or replace lower probe as required.
	Follower is not behind fasteners.	Position follower behind fasteners.
Tool will not cycle - fan runs, indicator light is solid green.	Fuel Cell empty.	Replace fuel cell.
	Spark wire out of spark plug.	Remove cap and check spark lead, insert in spark plug and replace cover.
	Spark plug is dirty.	Clean tool cylinder head and spark plug.
	No spark is generated.	Return tool to authorized Paslode® dealer for service.

## Power/Exhaust Stage of Operation

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Tool operates properly, but fasteners do not drive fully.	Work-contacting element requires adjustment.	Adjust work contacting element.
	Fuel cell is low.	Check fuel cell and replace as required.
	There may be loss of seal in combustion chamber.	Press work contacting element against workpiece for one minute. Pull trigger. If fastener does not drive, there is a leak that requires service.
Tool operates properly, but fasteners are sometimes over-driven, and sometimes under-driven.	Work-contacting element is not adjusted properly for the type of material being fastened.	Adjust work-contacting element. Readjust as required when material density or thickness of material being fastened changes.
Tool operates, but no fastener is driven.	Wrong fasteners being used.	Use only fasteners meeting Paslode® specifications. Check Fasteners and Applications section for fastener types and sizes recommended for use in Impulse tool.
	Follower not properly engaged behind fastener strip.	Position follower behind fastener strip and engage strip.
	Jammed fastener.	Clear jam.
Tool operates erratically or appears to be losing power - tool indicator light is green.	Fuel cell is low.	Check fuel cell.
	Spark plug wire is loose.	Check spark plug wire.
	Filter element is dirty, causing tool to overheat.	Remove filter element and clean. Use soap and water to remove stubborn debris.

## Returning/Purging Stage of Operation

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Tool operated and drove fasteners, but driver blade did not return to up position.	Built-up dirt and debris on driver blade or in nose bore.	Clean driver blade and nose bore with degreaser cleaner.
	Mid check is dirty or disabled.	Return tool to authorized Paslode® Impulse dealer for service.
Combustion chamber does not drop after tool cycles.	Work-contacting element is bent or is dirty.	Clean or replace work-contacting element.

If nailer will not operate after following the above service directions, return the tool to an authorized Paslode® representative for service.



[www.paslode.com](http://www.paslode.com)